

Work Order ID 162276

162276

Page 1

Wednesday, May 31, 2017 3:16:15 PM

Item ID: D350-636-103 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Skidtube Conversion LH (For CHG 001 skidtubes)
 Start Date: 5/31/2017 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 6/7/2017 Req'd Qty: 1.00 ***1*** Customer:
 Reference: **DAS 21 9-89**

Approvals: Process Plan: **DAS 21 9-89** Date: **MAY 31 2017** Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D350-636	J								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy D350-636 bluefile & type labels per PPP D350-636-103 CHG001								
105	Pick Kit	0.00							
105									
Packaging	Memo	0.00							
Packaging									
110	QC4- 100% Inspect kits for completeness	0.00							
110									
QC	Memo	0.00							
Quality Control									

JUN 01 2017 **DAS 6 9-89**

DAS 28 9-89 **JUN 05 2017**

JUN 05 2017 **DAS 6 9-89** **DAS 27 9-89**

DAS 28 9-89 **JUN 05 2017**

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐																				
OTHER : ☐																									

Work Order ID 162276

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162276

Page 2

Item ID: D350-636-103

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Skidtube Conversion LH (For CHG 001 skidtubes)

Start Date: 5/31/2017 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 6/7/2017 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	Identify as per dwg & Stock Location: _____	0.00							
120	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D350-636-103								
	Location: _____								
	PPP Rev: _____								
130	QC21- Final Inspection - Work Order Release	0.00							
130									
QC	Memo	0.00							
Quality Control									

DATE
28
9-85

JUN 05 2017

17/6/5

JUN 05 2017

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
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Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : 	
Misidentified ☐	Past Due ☐																																																														

Picklist Print

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Page 1

Work Order ID: 162276

162276

Parent Item: D350-636-103

D350-636-103

Parent Item Name: Skidtube Conversion LH (For CHG 001 skidtubes)

Start Date: 5/31/2017

Required Date: 6/7/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP rev. A 06.02.13 new issue EC
IPP Rev:B 06-07.13 As per dsi9343 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN3C7A

Purchased

No

110

Each

524.0000

4

4

AN3C7A

**

Bolt

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

10

122141

10

FP001

52

m125709

52

OVER002

400

m125709

400

ST349

62

m125709

62

AN8C21A

Purchased

No

110

Each

342.0000

2

2

AN8C21A

**

Bolt

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

4

123966

2

m132169

2

over004

217

m137162

217

ST332

121

m136262

1

m137162

120

JUN 05 2017 6 27
9-89 9-89

JUN 05 2017 6 27
9-89 9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
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38				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
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Parent Item: D350-636-103

D350-636-103

Parent Item Name: Skidtube Conversion LH (For CHG 001 skidtubes)

Start Date: 5/31/2017

Required Date: 6/7/2017

Start Qty: 1.00

Required Qty: 1.00

D3488-041

Manufactured No

110

Each

8.0000

1

1

D3488-041

Blade Fitting LH

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

8

158789

8

**

JUN 05 2017

DAS
6
9-89

DAS
27
9-89

D3493-1

Manufactured No

110

Each

79.0000

2

2

D3493-1

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

10

97201

10

ST037

69

154986

28

159305

21

161754

20

**

JUN 05 2017

DAS
6
9-89

DAS
27
9-89

D3532-1

Manufactured No

110

Each

85.0000

2

2

D3532-1

Spacer

DAS
28
9-89

Location

Loc Qty

Loc Code

ST038

85

154372

5

159312

80

**

JUN 05 2017

DAS
6
9-89

DAS
27
9-89

D3672-1

Manufactured No

110

Each

374.0000

4

4

D3672-1

Washer, Phenolic

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

10

85222

10

FP001

364

150074

364

**

JUN 05 2017

DAS
6
9-89

DAS
27
9-89

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Shop Packet Print

Page 2

DQA: _____ Date: _____

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Parent Item: D350-636-103

D350-636-103

Parent Item Name: Skidtube Conversion LH (For CHG 001 skidtubes)

Start Date: 5/31/2017

Required Date: 6/7/2017

Start Qty: 1.00

Required Qty: 1.00

D3672-13

Purchased

No

110

Each

734.0000

2

2

D3672-13

Phenolic Washer

**

JUN 05 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST047

734

54363

734

MS21083C8

Purchased

No

110

Each

96.0000

2

2

MS21083C8

Nut

**

JUN 05 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

10

m137164

10

Return2017

2

m136442

2

ST297

84

m136648

4

m137361

60

m137412

20

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



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Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																																																																						
Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																																																																						
Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																																																																						
Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																																																																						
Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																																																																						
Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																																																																						
Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐																																																																						
Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																																																																						
Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																																																																						
Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																																																																						
OTHER : ☐																																																																									

Picklist Print

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Work Order ID: 162276

162276

Parent Item: D350-636-103

D350-636-103

Parent Item Name: Skidtube Conversion LH (For CHG 001 skidtubes)

Start Date: 5/31/2017

Required Date: 6/7/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149C0332R

Purchased

No

110

Each

4,409.000

4

4

NAS1149C0332R

WASHER

**

JUN 05 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

1666

m137381

1666

GA

514

m133284

22

m136444

492

ST260a

2200

m135408

0

m135908

200

m136741

0

m137597

2000

ST266

29

m136741

29

NAS1149C0832R

Purchased

No

110

Each

71.0000

2

2

NAS1149C0832R

Washer

**

JUN 05 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

67

m125807

2

m135536

65

Return2017

4

m135536

4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

7.0 PARTS LIST

(D350-636-101/-103/-104/-105A/-105B/-107/-107A/-107B/-109 KITS)

Item	Qty -101	Qty -103	Qty -104	Qty -105A	Qty -105B	Qty -107	Qty -107A	Qty -107B	Qty -109	Part Number	Description
	X									D350-636-101	TOE STEP KIT (LH/RH)
		X								D350-636-103	APICAL FLOAT CONVERSION KIT, LH
			X							D350-636-104	APICAL FLOAT CONVERSION KIT, RH
				X						D350-636-105A	WEDGE KIT
					X					D350-636-105B	WEDGE KIT
						X				D350-636-107	CABLE GUARD KIT
						1	X			D350-636-107A	FWD CABLE GUARD
						1		X		D350-636-107B	AFT CABLE GUARD
									X	D350-636-109	TOW RING KIT
8		1								D3488-041	BLADE FITTING, LH (REPLACES D2742-1)
8			1							D3488-042	BLADE FITTING, RH (REPLACES D2742-2)
10		2	2							AN8C21A	BOLT (REPLACES AN8-16A)
11		2	2							AN980JD816	WASHER (OR NAS1149D0883J)
12		2	2							MS21083C8	NUT (REPLACES MS21083N8)
26B		4	4							AN3C7A	BOLT (REPLACES AN3-7A)
27		4	4							AN980C10L	WASHER (REPLACES AN980JD10)
40	1									D3487-1	TOE STEP ASSEMBLY
43		2	2							D3493-1	WASHER
50		2	2							D3532-1	WASHER
60				2						D3926-1	WEDGE
61					2					D3926-3	WEDGE
62				4	4					MS21042L3	NUT
63				4	4					MS24693S276	SCREW
64				4	4					NAS1149D0363J	WASHER
70							1			D3927-1	FWD CABLE GUARD
71								1		D3927-3	AFT CABLE GUARD
72							2			D3928-1	BRACKET
73							2			AN4-14A	BOLT
74								1		BLBS-020	PIP PIN
75							2			MS21042L4	NUT
76							4			NAS1149D0463J	WASHER
80									1	D3407-043	TOW RING ASSEMBLY
81									2	D3417-9	WASHER
82									2	D3456-1	WASHER
83									1	MS21043-4	NUT

REF. ONLY

DART SERVICE INSTRUCTION

APPLICABLE TO ALL DART PRODUCTS

PURPOSE:

To grant permission to use D3672-X Phenolic Flat Washer as replacement to NAS1515HXL Washers in all Dart kits.

CHANGE:

To avoid metal-to-metal contact, it is permissible to substitute NAS1515HXL Washers with D3672-X Phenolic Flat Washer in all Dart kits. See table below for size cross reference

DART P/N	REPLACES
D3672-1	NAS1515H3L
D3672-3	NAS1515H4L
D3672-5	NAS1515H5
D3672-7	NAS1515H5L
D3672-9	NAS1515H6L
D3672-11	NAS1515H7L
D3672-13	NAS1515H8L

WEIGHT AND BALANCE:

When incorporating this DSI into any of the Dart kits, the change to the weight and balance of the kit is negligible.

A	NEW ISSUE	AK	15.12.16
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AK		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9736	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		WASHER REPLACEMENT	NTS
DATE	15.12.16	COPYRIGHT © 2015 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

Work Order ID 162276

162276

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Item ID: D350-636-103 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Skidtube Conversion LH (For CHG 001 skidtubes)
 Start Date: 5/31/2017 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 6/7/2017 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: _____ Date: MAY 31 2017 Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D350-636	J								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc Control -USB or Paperwork	Photocopy D350-636 bluefile & type labels per PPP D350-636-103 CHG001								
105	Pick Kit	0.00							
105									
Packaging	Memo	0.00							
Packaging									
110	QC4- 100% Inspect kits for completeness	0.00							
110									
QC	Memo	0.00							
Quality Control									

JUN 01 2017

JUN 05 2017

CB

[Handwritten signature]

United States of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SR00646SE

This certificate, issued to

Dart Aerospace USA, Inc.
190 S. Danebo Ave.
Eugene, OR 97402

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

Original Product—Type Certificate Number:

* See attached Federal Aviation Administration (FAA)

Make:

Approved Model List (AML) SR00646SE for approved

Model:

aircraft models and applicable airworthiness regulations

Description of the Type Design Change: Replacement of the original landing gear skid tubes with DART D350-636 skid tube system components as appropriate. The D350-636 skid tube system must be fabricated in accordance with DART Aerospace USA, Inc. Master Document List (MDL) No. MDL-D350-636, Revision N, dated September 01, 2010, or later Federal Aviation Administration (FAA) approved Revision. The skid tubes must be installed in accordance with DART Aerospace Installation Instructions No. INN-D350-636, Revision H, dated July 26, 2010, or later FAA accepted revision. This modification must be maintained in accordance with DART Aerospace Instructions for Continued Airworthiness (ICA) No. ICA-D350-636, Revision 1, or later FAA-approved revision.

Limitations and Conditions: Approval of this change in type design applies to rotorcraft listed on the Approved Model List (AML) only. This approval should not be extended to other rotorcraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of the rotorcraft.

A copy of this Certificate, AML No. SR00646SE, and the ICA must be maintained as part of the permanent records for the modified rotorcraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: April 24, 1998

Date reissued: October 28, 2015

Date of issuance: November 19, 1998

Date amended: September 27, 2010



By direction of the Administrator

[Signature]
(Signature)

[Signature]
Manager, Seattle Aircraft Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.